



# Item Unique Identification (IUID) Update for JPIWG

January 2014



# IUID Quick Look

- ✓ **Received Service and DLA IUID implementation plans**
  - ✓ Population of items and marking timeline
  - ✓ Automated information systems (AIS) to be modified
  - ✓ Automatic identification technology (AIT) infrastructure requirements
  - Services and DLA continue to refine plan details
- ✓ **Developed DoD and Service level IUID integrated schedule**
  - ✓ On-going oversight and tracking of IUID implementation
- ✓ **Developed standard transactions to share IUID data as assets move between DoD Components**
  - ✓ Unique item identifier (UII) added to electronic shipping notification and physical packing list
  - Services and DLA to implement transactions in their AISs - Initial planning underway, ECD TBD
- ✓ **Implemented and populated IUID indicator field in the Federal Logistics Information System (FLIS)**
  - ✓ Standardizes way to identify assets that require IUID
  - ✓ Triggers the inclusion of DFARS IUID contract clause
  - ✓ Prompts AIS to include unique item identifier in logistics transactions
  - Services and DLA to incorporate the field as part of AIS updates - see chart #12

**Budget impacting IUID implementation/marketing**



# Objectives

- **IUID will be used to improve**
  - **Accountability** - control of critical DoD assets to ensure security and safety, and valuation for audit readiness
  - **Readiness** - identification of “bad actor” items/vendors, more precise recalls, informed logistics support decisions
  - **Resources** - efficiencies in: labor, inventories, forecasting, warranty management, and targeted maintenance
  - **Lifecycle Management** - reliable data for engineering analysis, granularity of data for better item management, more accurate maintenance records
  - **Risk Reduction** - counterfeit item control, improved in-transit visibility, correct item information for better asset management



# Target Population

- **Target population of items aligns with the Joint Logistics Board (JLB) approved Task Force recommendation**

## ***Current marking focus:***

- Major end items
- Small arms
- Nuclear Weapon Related Materiel (NWRM)
- Government Furnished Property (GFP)

## ***Opportunistic marking:***

- Depot level reparable
- Sensitive and classified items
- Critical safety items
- Pilferable items
- Other items as determined by item or program manager

**Mark what needs to be marked**



# DoD Cumulative Item Marking Totals (Oct 2013)

<b>CLASS II (Individual Equipment)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	1,069,219	N/A
Legacy	265,238	15,610,741
<b>Total</b>	<b>1,334,457</b>	<b>15,664,741</b>
Percentage of Class Marked		8%
Percentage of Class Remaining		92%

<b>CLASS VII (Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	998,793	N/A
Legacy	980,560	1,152,312
<b>Total</b>	<b>1,979,353</b>	<b>1,152,312</b>
Percentage of Class Marked		63%
Percentage of Class Remaining		37%

<b>CLASS VIII (Medical Materiel)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	468	N/A
Legacy	31,341	94,079
<b>Total</b>	<b>31,809</b>	<b>94,079</b>
Percentage of Class Marked		25%
Percentage of Class Remaining		75%

<b>CLASS V (Ammunition)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	95,390	N/A
Legacy	68,502	889,730
<b>Total</b>	<b>163,892</b>	<b>889,730</b>
Percentage of Class Marked		16%
Percentage of Class Remaining		84%

<b>CLASS VII (Non Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	2,904,161	N/A
Legacy	1,443,169	5,370,006
<b>Total</b>	<b>4,347,330</b>	<b>5,370,006</b>
Percentage of Class Marked		45%
Percentage of Class Remaining		55%

<b>CLASS IX (Consumables &amp; Repairables)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	966,844	N/A
Legacy	453,598	33,273,659
<b>Total</b>	<b>1,420,442</b>	<b>33,273,659</b>
Percentage of Class Marked		4%
Percentage of Class Remaining		96%

**Represents 14% of assets marked across all classes of supply**



# Army Cumulative Item Marking Totals (Oct 2013)

<b>CLASS II (Individual Equipment)</b>		
	Marked	Remaining to be Marked
New Procurement	406,442	Not Applicable**
Legacy	74,462	884,379
<b>Total</b>	<b>480,904</b>	<b>884,379</b>
Percentage of Class Marked		35%
Marked		65%

<b>CLASS VII (Small Arms)</b>		
	Marked	Remaining to be Marked
New Procurement	922,875	Not Applicable**
Legacy	553,150	1,052,211
<b>Total</b>	<b>1,476,025</b>	<b>1,052,211</b>
Percentage of Class Marked		58%
Marked		42%

<b>CLASS VIII (Medical Materiel)</b>		
	Marked	Remaining to be Marked
New Procurement	137	Not Applicable**
Legacy	1,436	47,677
<b>Total</b>	<b>1,573</b>	<b>47,677</b>
Percentage of Class Marked		3%
Marked		97%

<b>CLASS V (Ammunition)</b>		
	Marked	Remaining to be Marked
New Procurement	95,390	Not Applicable**
Legacy	68,357	868,907
<b>Total</b>	<b>163,747</b>	<b>868,907</b>
Percentage of Class Marked		16%
Marked		84%

<b>CLASS VII (Non Small Arms)</b>		
	Marked	Remaining to be Marked
New Procurement	1,473,421	Not Applicable**
Legacy	474,359	1,995,450
<b>Total</b>	<b>1,947,780</b>	<b>1,995,450</b>
Percentage of Class Marked		49%
Marked		51%

<b>CLASS IX (Consumables &amp; Repairables)</b>		
	Marked	Remaining to be Marked
New Procurement	924,658	Not Applicable**
Legacy	268,684	2,649,534
<b>Total</b>	<b>1,193,342</b>	<b>2,649,534</b>
Percentage of Class Marked		31%
Marked		69%

**41% of Army assets marked across all classes of supply**





# Navy Cumulative Item Marking Totals (Oct 2013)

<b>CLASS II (Individual Equipment)</b>		
	Currently Marked	Remaining to be Marked
New Procurement		N/A
Legacy	TBD	13,600,000
<b>Total</b>		<b>13,600,000</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		100%

<b>CLASS V (Ammunition)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	TBD	TBD
Legacy	TBD	TBD
<b>Total</b>	<b>TBD</b>	<b>TBD</b>
Percentage of Class Marked		
Percentage of Class Remaining		

<b>CLASS VII (Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	TBD	N/A
Legacy	TBD	TBD
<b>Total</b>	<b>TBD</b>	<b>TBD</b>
Percentage of Class Marked		
Percentage of Class Remaining		

<b>CLASS VII (Non Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	TBD	N/A
Legacy	15,000	430,000
<b>Total</b>	<b>15,000</b>	<b>430,000</b>
Percentage of Class Marked		3%
Percentage of Class Remaining		97%

<b>CLASS VIII (Medical Materiel)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	TBD	N/A
Legacy	27,000	44,000
<b>Total</b>	<b>27,000</b>	<b>44,000</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		100%

<b>CLASS IX (Consumables &amp; Reparables)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	TBD	N/A
Legacy	TBD	21,800,000
<b>Total</b>	<b>TBD</b>	<b>21,800,000</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		100%

**IUID Program Office staffed May 2013**  
**Opportunistic marking at Claimancy level - AISs being updated to report progress**



# USMC Cumulative Item Marking Totals (Oct 2013)

<b>CLASS II (Individual Equipment)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	162,777	N/A
Legacy	177,273	439,865
<b>Total</b>	<b>340,050</b>	<b>493,865</b>
Percentage of Class Marked		44%
Percentage of Class Remaining		56%

<b>CLASS V (Ammunition)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	0
<b>Total</b>	<b>0</b>	<b>0</b>
Percentage of Class Marked		
Percentage of Class Remaining		

<b>CLASS VII (Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	48,021	N/A
Legacy	59,982	54,456
<b>Total</b>	<b>108,003</b>	<b>54,456</b>
Percentage of Class Marked		66%
Percentage of Class Remaining		34%

<b>CLASS VII (Non Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	326,071	N/A
Legacy	100,554	474,440
<b>Total</b>	<b>426,625</b>	<b>474,440</b>
Percentage of Class Marked		47%
Percentage of Class Remaining		53%

<b>CLASS VIII (Medical Materiel)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	331	N/A
	2,905	2,402
<b>Total</b>	<b>3,236</b>	<b>2,402</b>
Percentage of Class Marked		57%
Percentage of Class Remaining		43%

<b>CLASS IX (Consumables &amp; Repairables)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	42,186	N/A
Legacy	15,664	1,993,375
<b>Total</b>	<b>57,850</b>	<b>1,993,375</b>
Percentage of Class Marked		3%
Percentage of Class Remaining		97%

**Marking opportunistically via organic and contractor teams**





# Air Force Cumulative Item Marking Totals (Oct 2013)

<b>CLASS II (Individual Equipment)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	500,000	N/A
Legacy	13,503	686,497
<b>Total</b>	<b>513,503</b>	<b>686,497</b>
Percentage of Class Marked		43%
Percentage of Class Remaining		57%

<b>CLASS V (Ammunition)</b>		
	Currently Marked	Remaining to be Marked
New Procurement		N/A
Legacy	145	0
<b>Total</b>	<b>145</b>	<b>0</b>
Percentage of Class Marked		100%
Percentage of Class Remaining		0%

<b>CLASS VII (Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	27,897	N/A
Legacy	367,428	45,645
<b>Total</b>	<b>395,325</b>	<b>45,645</b>
Percentage of Class Marked		89%
Percentage of Class Remaining		11%

<b>CLASS VII (Non Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	1,104,669	N/A
Legacy	853,256	2,445,116
<b>Total</b>	<b>1,957,925</b>	<b>2,445,116</b>
Percentage of Class Marked		35%
Percentage of Class Remaining		65%

<b>CLASS VIII (Medical Materiel)</b>		
	Currently Marked	Remaining to be Marked
New Procurement		N/A
Legacy		
<b>Total</b>		
Percentage of Class Marked		
Percentage of Class Remaining		

<b>CLASS IX (Consumables &amp; Reparables)</b>		
	Currently Marked	Remaining to be Marked
New Procurement		N/A
Legacy	169,250	6,830,750
<b>Total</b>	<b>154,479</b>	<b>6,830,750</b>
Percentage of Class Marked		2%
Percentage of Class Remaining		98%

**Opportunistic marking class IX at the depot level.  
Enterprise visibility of Class VIII not currently available**



# DLA Cumulative Item Marking Totals (Oct 2013)

<b>CLASS II (Individual Equipment)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	0
<b>Total</b>	<b>0</b>	<b>0</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		0%

<b>CLASS V (Ammunition)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	0
<b>Total</b>	<b>0</b>	<b>0</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		0%

<b>CLASS VII (Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	0
<b>Total</b>	<b>0</b>	<b>0</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		0%

<b>CLASS VII (Non Small Arms)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	25,000
<b>Total</b>	<b>0</b>	<b>25,000</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		0%

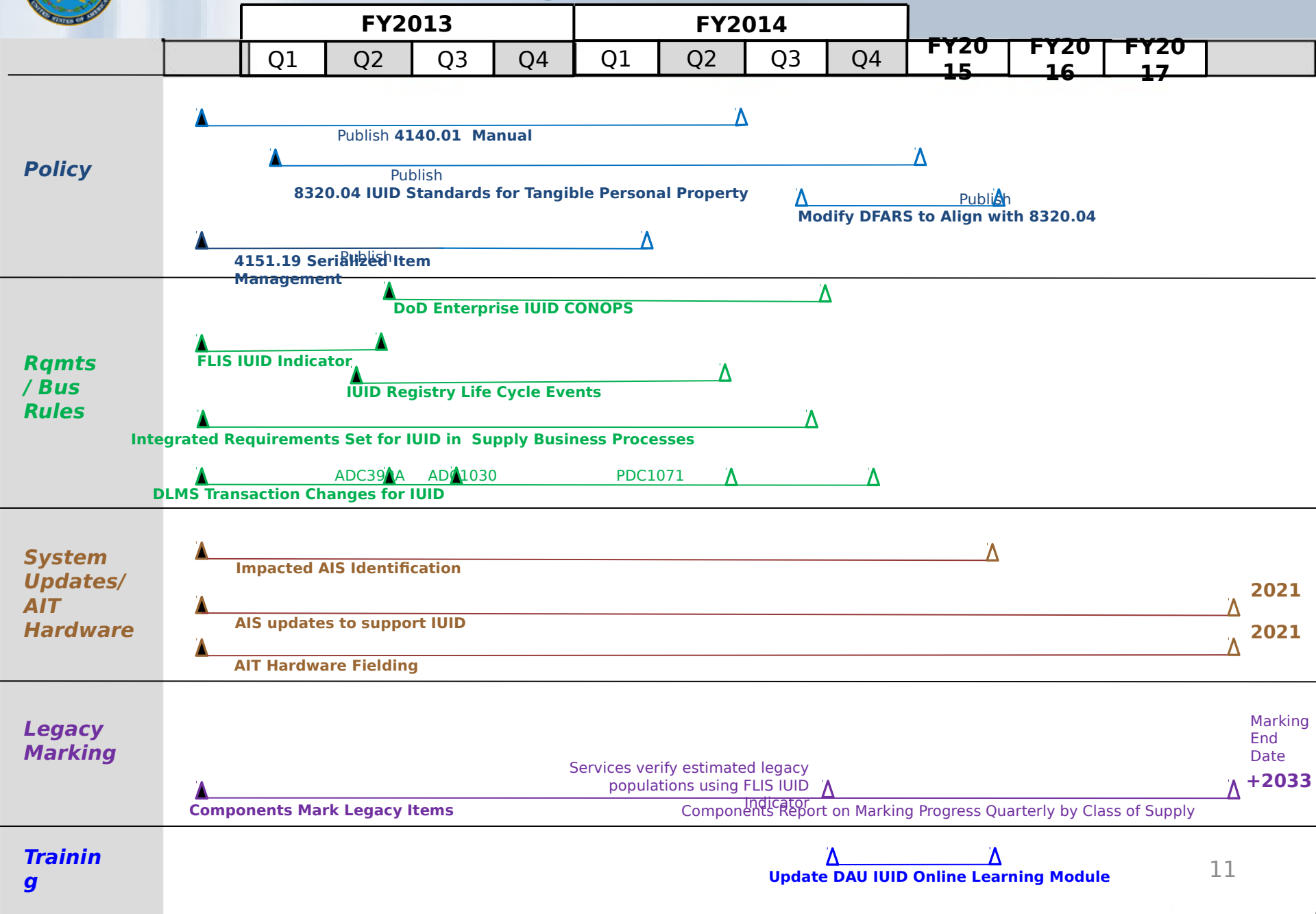
<b>CLASS VIII (Medical Materiel)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	0
<b>Total</b>	<b>0</b>	<b>0</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		0%

<b>CLASS IX (Consumables &amp; Reparables)</b>		
	Currently Marked	Remaining to be Marked
New Procurement	0	N/A
Legacy	0	0
<b>Total</b>	<b>0</b>	<b>0</b>
Percentage of Class Marked		0%
Percentage of Class Remaining		0%

**Equipment will be marked during three year inventory cycle**

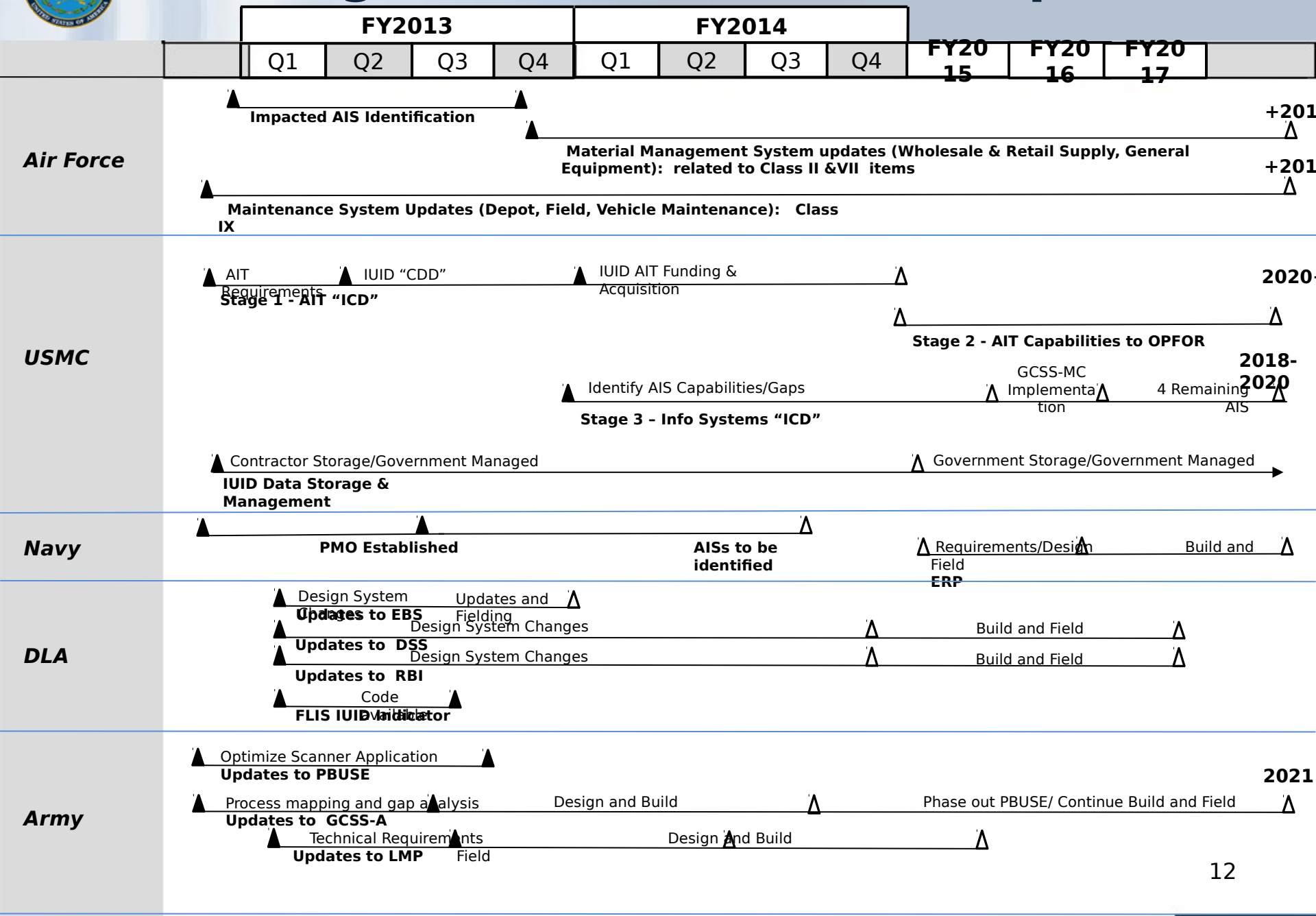


# Integrated Schedule





# Integrated Schedule - AIS Updates





# Integrated Schedule - Item Marking

	FY2013				FY2014				FY2015	FY2016	FY2017				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
Air Force	Nonrecurring Engineering for All Classes				33% Marked										
	Opportunistic Marking				2% Marked				Mark Legacy Items - Class VII				75% Marked	Marking End Date 2020	+2018
	Mark Legacy Items - Class IX														
USMC	CLS Marking - Seek & Apply and/or OEM Capture												Organic Marking/Sustainment	Marking End Date 2020	
	Class II, VII, VIII														
	CLS Opportunity & Apply and/or OEM Capture				CLS Opportunity & Apply and/or OEM Capture & DLA								Organic Opportunistic Marking/Sustainment	Marking End Date 2025	+2019
Navy					TBD - Marked										
	Class VIII Legacy Item Marking								PMO Marking				Class VII Legacy Item Marking	75% Marking End Date 2025	2019
					TBD - Marked								Opportunistic marking		TBD
DLA															
					Material handling equipment marked during physical inventories										
Army					15% Marked										
	Pilot programs and opportunistic marking				Mobile marking teams deploy and mark legacy items										
	Mark Legacy Items - All Classes														





# IUID Policy Change Alignment

Policy	Revised DoDI 8320.04 - IUID	Revised DoDM 4140.01-M - Supply Chain Management	Revised DoDI 4151.19 - Serialized Item Management
Removes \$5K marking threshold for items requiring IUID marking			
Adds requirement for Components to maintain IUID implementation plans			
Adds requirement to list specific items requiring IUID in contracts			
Adds IUID as the standard for all unique item tracking - no unique item tracking programs can be established			
Adds Federal Logistics Information System (FLIS) IUID indicator code for identification national stock numbered (NSN) items requiring IUID			
Adds unique item identification (UII) for serialized item management (SIM) programs			
Adds requirement to maintain IUID registry data beyond initial acquisition			



# IUID Registry Status

- **As of January 2014, population includes 23.7M records**

- 15.7M new contract receipts
- 7.4M legacy assets
- 835K government furnished property (GFP) assets
- Growth rate of ~50K UIIs per week

- ✓ **Planned enhancements - 2014**

- ✓ Addition of National Stock Number (NSN) field
- ✓ Edit changes to make Item Owner field conditionally mandatory
  - ✓ Requirement is being reworked
- ✓ Migration of Registry into WAWF Portfolio
- ✓ New Reports tool

- **Enhancements submitted for consideration**

- Human Readable Serial Number Mandatory
- Part Number Mandatory
- Limited non-authenticated access to support mobile applications under development



# IUID Registry Data Quality and Integrity

- ✓ **Data Quality Improvements** - data entry and maintenance
  - ✓ System controls in place to help prevent data entry errors
  - ❑ Components implementing AIS changes to automatically update registry data
  - ❑ OSD and Components conducting on-going surveillance to identify and correct future data issues

- ✓ **Data Integrity Initiatives** - validating and correcting data
  - Defense Procurement and Acquisition Policy (DPAP) reviewing data discrepancies between electronic data access (EDA) and IUID registry
  - Property and Equipment Policy (PEP) reviewing government furnished property (GFP) data within the IUID registry
  - Services conducting reviews between IUID registry and service level systems

**Developing Integrated Requirements Set for IUID in Supply Business Processes (DLMS Standard)** - Standardizes business rules for sharing IUID related data between AISs



# New Procurement IUID Vendor Compliance - Service Efforts

- **Marine Corps**

- Validating and verifying vendor marks on an opportunistic basis
  - ~90% of items to be validated within 5 years
  - ~20% of OEM marks unreadable (500K+ checked)
  - PQDRs are submitted for high-volume items with consistently bad marks if problem is not corrected - shared with DCMA
- Efforts underway to make validation and verification of IUID marks, on inbound equipment, part of standard operating procedures

- **Air Force**

- Validating vendor marks on a limited basis
- Air Force Materiel Command instruction will be published to establish validation requirements and standards

- **Army**

- Regulatory changes in place requiring validation of vendor marks during fielding of equipment (April 2014)
- AISs being updated to implement regulation

- **Navy**

- Updating IUID implementation plan to include IUID vendor mark validation - ECD Q2FY14



# Next Steps

- ✓ Continuing to conduct quarterly item marking progress updates
- ✓ Publishing policy updates
  - 4151.19, Serialized Item Management for the Lifecycle Management of Materiel - 1QFY14
  - 4140.01, DOD Supply Chain Materiel Management - Q2FY14
  - 8320.04, IUID Standards for Tangible Personal Property - Q1FY15
- ✓ Completing Integrated Requirements Set for IUID in Supply Processes - Q3FY14
- ✓ Implementing IUID registry enhancements - Q2FY14
- ✓ Develop DoD Enterprise IUID CONOPS - Q3FY14
- ✓ Continuing IUID registry data quality and integrity improvement initiatives
- Continuing oversight and tracking of IUID implementation